

## EPL-48-2L-T12HB

### Surface Mount Explosion Proof, Waterproof Fluorescent Lights - T12 Hotbox Configuration

Product ID: 68677

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

#### EPL-48-2L-T12HB Hot Box Explosion Proof Light

NRTL Listed for United States & Canada

Dimensions: W-11.25" L-52" H-8.5 "

Weight: 65 Lbs

Total Watts: 120 watts\*

Voltage:120V OR 277V

Total Lumens: T12HO Bulbs 81,00

Lamp Life Expectancy: T12HO Bulbs 7,000 Hours

Ambient Operating Temp Range: -20 C to 75 C\*

Operating Temp Rating: T6 Rated

Color Temp: varies with bulb choice

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Minimum Operating Temp: -30 C

Ballast Type: Magnetic Ballast

Beam Angle: N/A

Maximum Case Temp: 90 C

\*Wattage totals are lamps only and may vary with different lamps.

\*Temperatures above 65 degrees C will diminish ballast life from 5 years to 3 years).

#### Ratings

Class 1 Division 1, Groups C and D

Class 1 Division 2, Group A,B,C,D

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

Class II Division 1 and 2, Groups E,F,G

Certified Canadian Standards

California Title 24 Compliant

#### Special Orders - Special Requirements

Contact us for special requirements

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**Made in the USA**

The Larson Electronics EPL-48-2L-T12HB Explosion Proof Fluorescent Light Fixture is

**NRTL Listed for United States and Canada Class 1 Division 1 and Class 1 Division 2 for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist. The unit carries a T6 temperature rating and is also approved for Paint Spray Booths.**

The EPL-48-2L fixture is a 4 foot long, 2 lamp, Class 1 Division 1 and Class 2 Division 1 & 2 explosion proof fluorescent light which is also approved for use in hazardous locations. This T6 temperature rated fixture comes standard with two T12HO fluorescent lamps with magnetic ballast for high heat configurations ("hot box" applications). The lamps are protected by heat and impact resistant Pyrex tubes and the fixture is constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture is equipped with a magnetic ballast configured to run on 120 Volts AC OR 277 Volts AC. The EPL-48-2L-T12HB provides operators in hazardous locations with a reliable and affordable lighting solution that provides the best explosion proof protection available without sacrificing light quality or fixture durability.

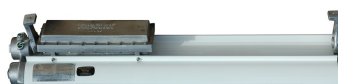


SURFACE MOUNT (STANDARD)

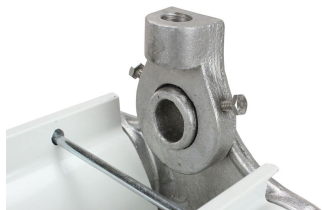
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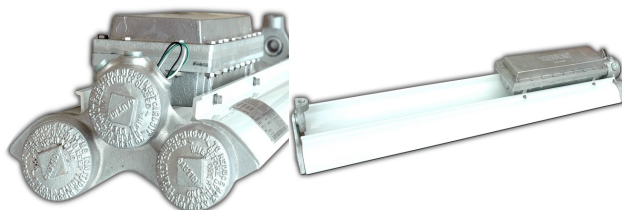
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PENDANT MOUNT (OPTIONAL)



We offer a choice of bulbs with all of our explosion proof fluorescent fixtures. However, we standardize on the T12HO bulbs. The T12HO, 60 watt High Output lamps with magnetic ballast make this fixture an ideal replacement for 400 watt metal halide surface mount fixtures in high temperature hazardous location areas requiring Class 1 Division 1 rated lights.

**Mounting Options:** Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown enlarged below. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit). Additional mounting configurations can be customized to meet the requirements on the application. Please contact us for special mounting configurations.

**Adjustable Surface Mount Brackets:** Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg.

**Suspension Mounting:** Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture features a 1/2" NPT junction box on one end, and a 1/2" NPT adjustable L-bracket on the other end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. Wiring is fed down through the rigid pipe to the junction box and tied in to the fixture's lead wires, completing the electrical connection. The adjustable L-shape mounting bracket provides support for the opposite end of the fixture.

## Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture, where other models may only offer one or three choices.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Magnetic Ballast
5. Over-sized, finned ballast housing for 800 mA fixtures provides more heat dissipation and extends ballast life. Larger ballast box accommodates High Output lamp ballasts. Ballast housing easily accessible and externally mounted. Top and bottom covers secured with nuts and bolts, instead of threaded through holes, which can be damaged with dirt.
6. Heavy gauge extruded aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.
7. A wrench is used to unscrew the end caps for relamping the fixture, while other models require the "tap and knock off" method to loosen the end cap.
8. Explosion proof, impact and heat resistant Pyrex tubes provide lamp protection.

## Lamp Options

**F48-T12HO – with magnetic ballast for high heat configurations ("hot box" explosion proof light applications) - 60 watt, 4050 lumens per bulbs - This bulb, ballast and wiring configuration is designed for applications to 165 degrees F.**

For other lamp options please see our [EPL-48-2L](#) fixture that is approved for paint spray booth applications.



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## Frequently Asked Questions (FAQ)

**EPL-48-2L-T12HB**

**Product ID: 68677**

**Export Control Classification Number (ECCN): EAR99**

**Options:**

**EPL-48-2L-T12HB-Mount-Voltage**

**Example: EPL-48-2L-T12HB-SFC-120V**

| Mount   |      |
|---------|------|
| SURFACE | -SFC |
| PENDANT | -PND |

| Voltage      |       |
|--------------|-------|
| 120 VOLTS AC | -120V |
| 277 VOLTS AC | -277V |

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [IES \(Photometric File\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [Solidworks EASM File](#)
- [SpecSheetSpanish](#)
- [STEP File \(3D CAD Model\)](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)